



Contribution ID: 386

Type: **Parallel contribution**

The ArgoNeuT experiment

Friday, 12 August 2011 16:00 (30 minutes)

The ArgoNeuT project features a 175 liter Liquid Argon (LAr) Time Projection Chamber (TPC) that was located upstream of the MINOS near detector in the NuMI neutrino beam at Fermilab. The project is part of the LAr TPC development program in the US and has helped initiate the development of simulation and reconstruction tools for LAr TPCs. In addition to the development goals, ArgoNeuT will perform several cross-section measurements on Ar in the few-GeV energy range. A total of 1.35×10^{20} Protons on Target were accumulated and data analysis is ongoing. I will review the experiment and its status, as well as preliminary results from the data analysis.

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Session Classification: Neutrino Physics

Track Classification: Neutrino Physics